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Figures:

Figure 1. Proton NMR spectrum for (2).

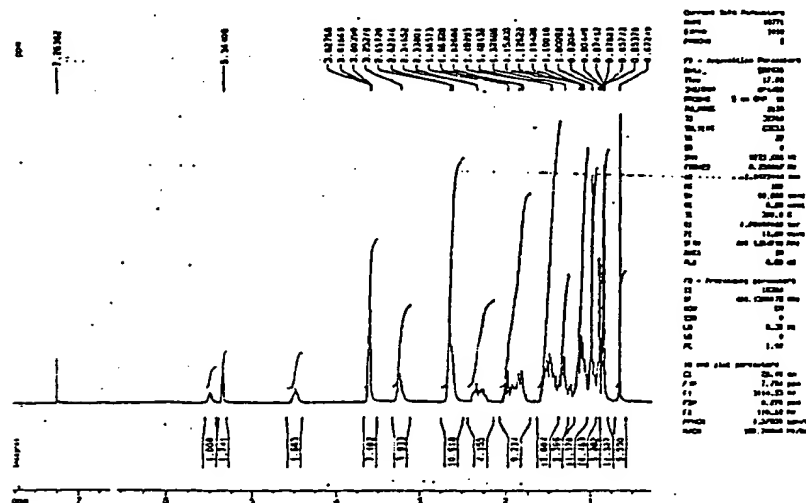
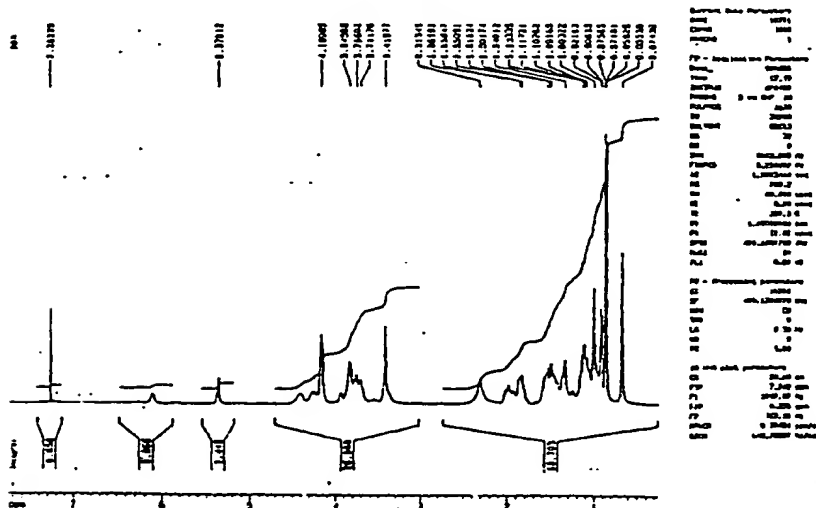


Figure 2. Proton NMR spectrum for (3).



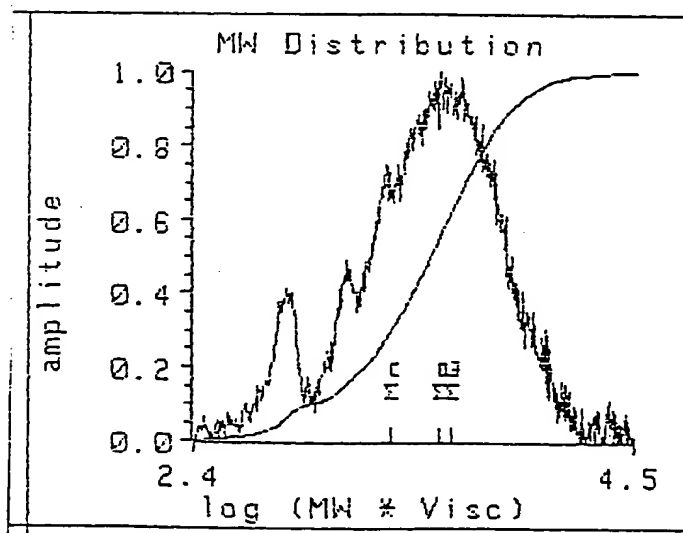
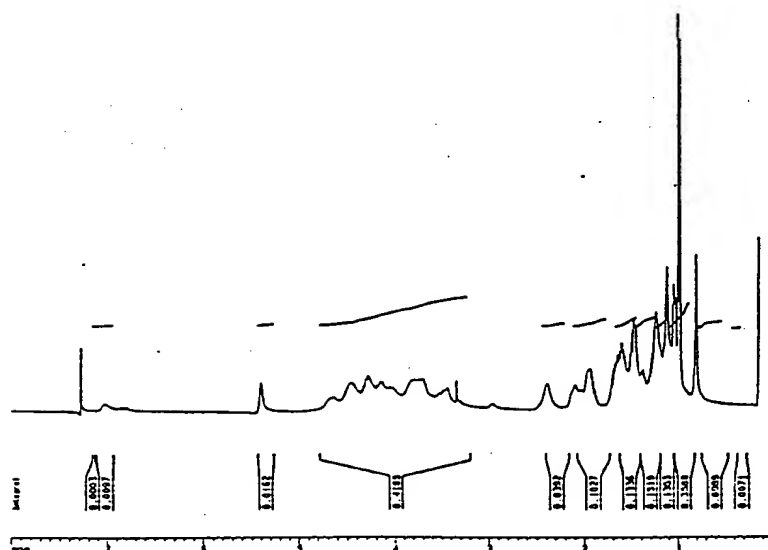


Figure 5. Cytotoxicity of PCEP on HeLa cells.

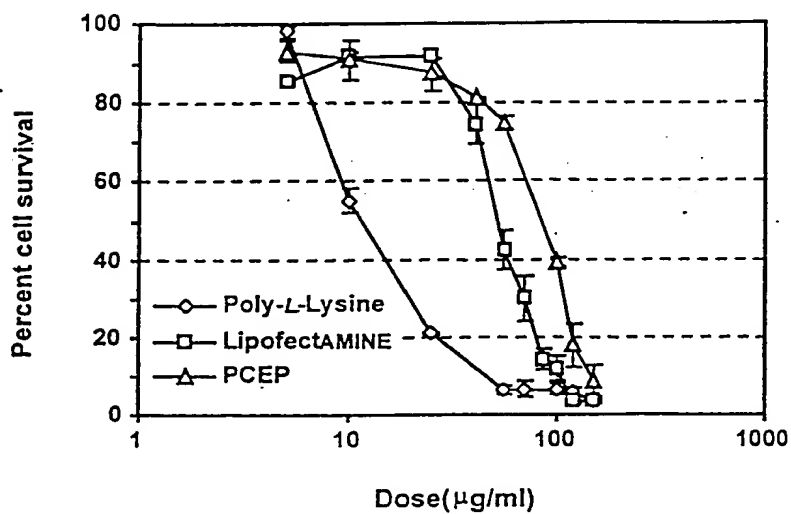


Figure 6. Size report of PCEP micelles.

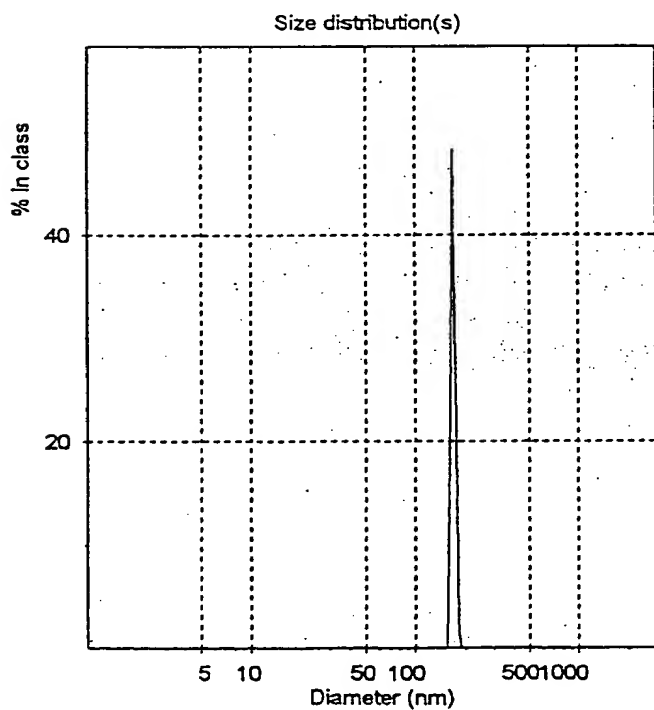


Figure 7. Effect of PCEP/DNA ratio on the average size of complexes.

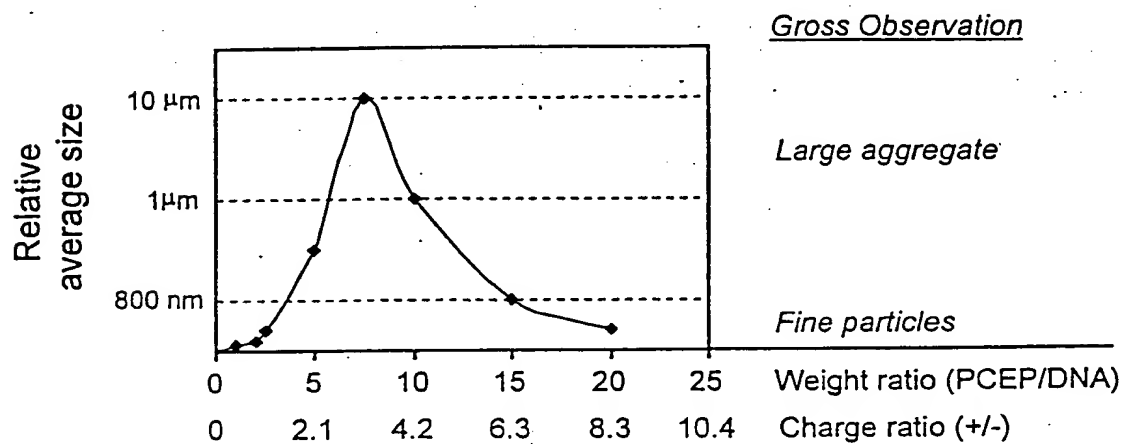


Figure 8. Size report of PCEP-DNA complexes.

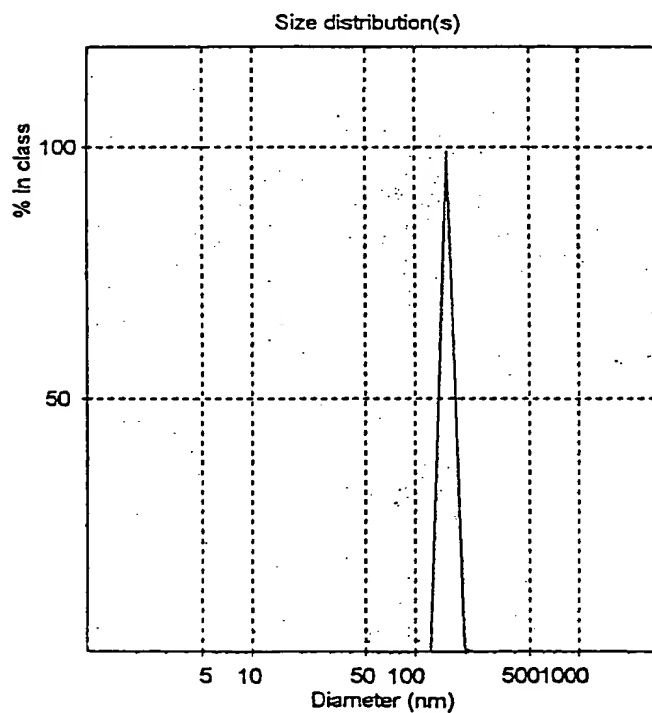


Figure 9. Agrose electrophoresis of pRE-Luciferase DNA after complexed with PPEC.

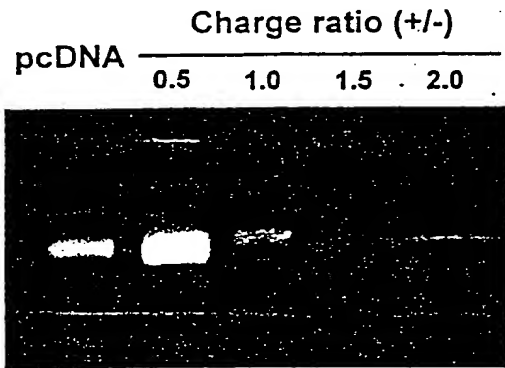


Figure 10. Preparation condition on the transfection efficiency

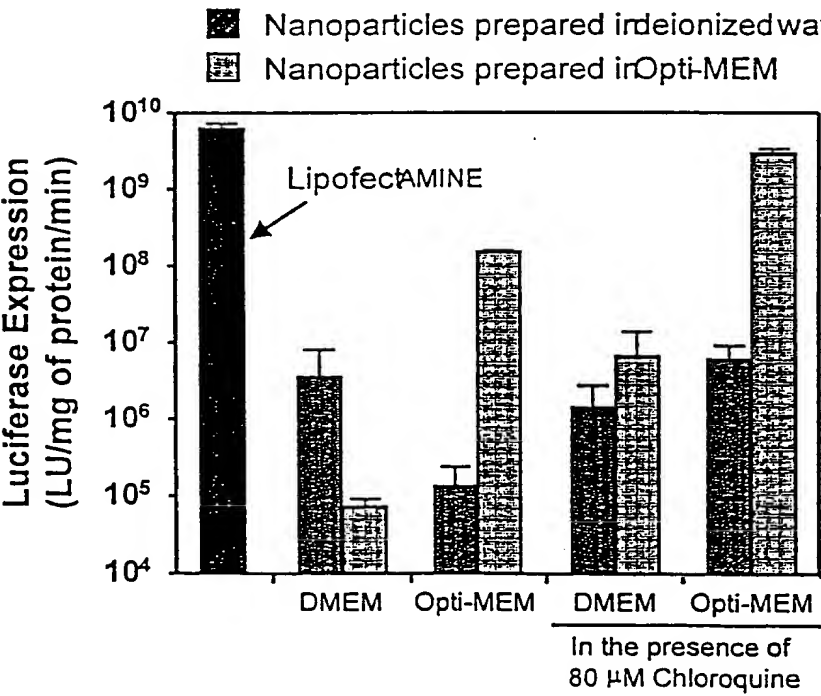


Figure 11. Effect of chloroquine on transfection efficiency of the PCEP-DNA nanoparticles

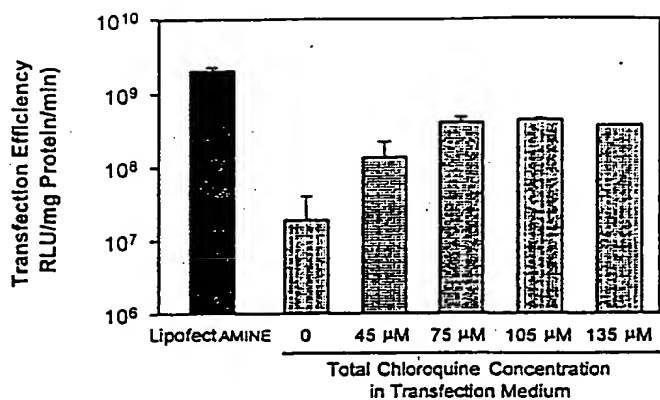


Figure 12. Preparation condition on the transfection efficiency

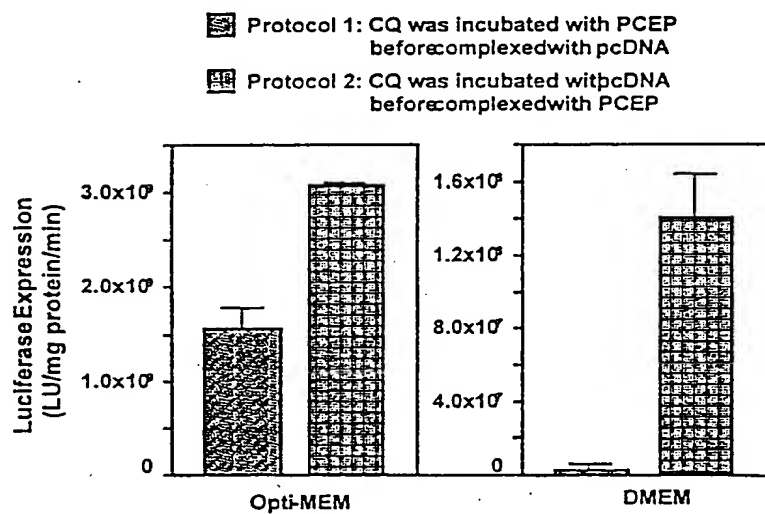


Figure 13. Effect of charge ratio on transfection efficiency of the PCEP-DNA nanoparticles

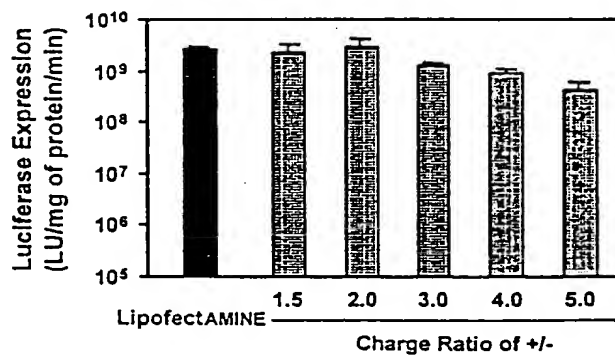


Figure 14. Dose response of transfection efficiency of the PCEP-DNA complexes.

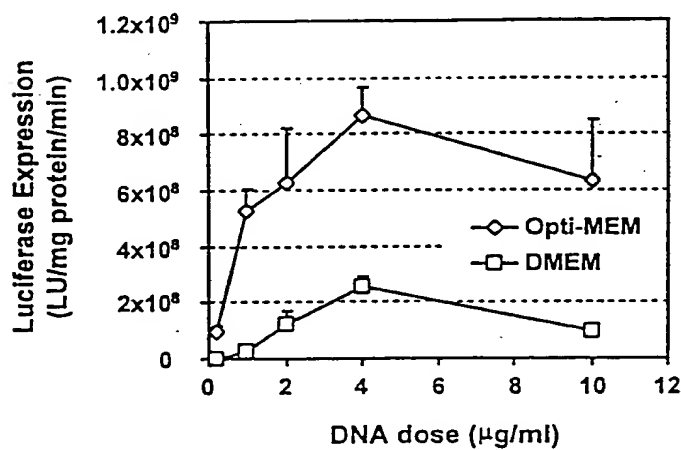


Figure 15. Effect of charge ratio on transfection efficiency of the PCEP-DNA complexes on HeLa cells.

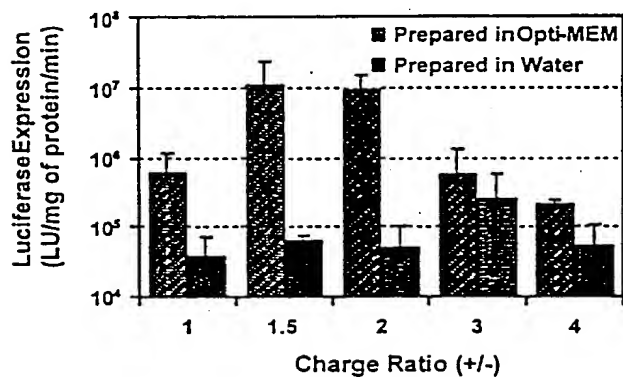


Figure 16. Transfection efficiency of the PCEP-DNA complexes on CaCO-2 cells.

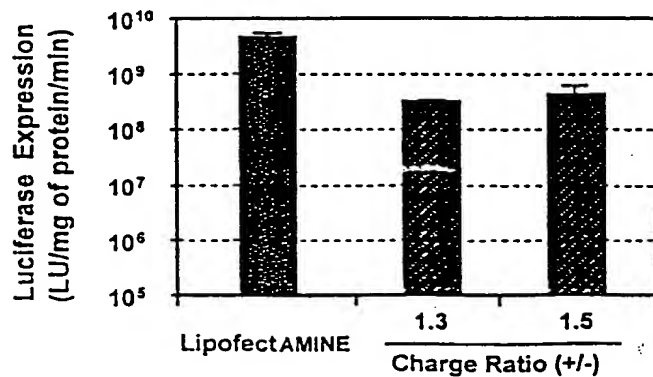
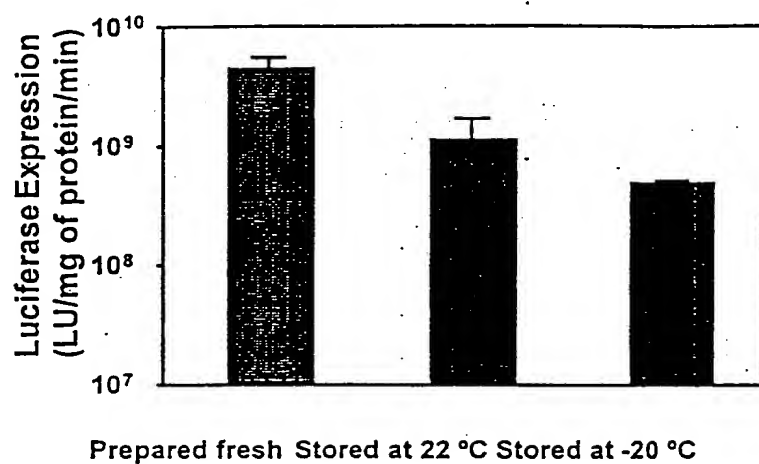


Figure 17. Storage stability of PCEP-DNA complexes. The complexes were stored at different temperature for three days before the transfection was performed.



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FIG. 18

